

[Manuals.plus](#) /

› [ALED LIGHT](#) /

› ALED LIGHT Bluetooth LED Strip Lights User Manual

ALED LIGHT AL105002

ALED LIGHT Bluetooth LED Strip Lights User Manual

Model: AL105002

1. PRODUCT OVERVIEW

The ALED LIGHT Bluetooth LED Strip Lights offer versatile lighting solutions for various indoor and outdoor applications. These 5050 LED strips provide millions of color possibilities, controllable via a smartphone application or an infrared remote. Key features include music rhythm synchronization and a waterproof design for enhanced durability.

Key Features:

- **Bluetooth Control:** Compatible with Android/iOS smartphones, offering color selection, light mode adjustment, and brightness control.
- **Music Synchronization:** Lights can flash and change color in sync with music or sound.
- **Vast Color Palette:** Access to millions of colors beyond traditional remote limitations.
- **Easy Installation:** Features 3M adhesive backing for stable and convenient mounting.
- **Waterproof Design:** LED strips are covered by EPOXY (IP65 rated), suitable for outdoor and bathroom use (power supply is not waterproof).



Image: Complete ALED LIGHT Bluetooth LED Strip Lights kit, including two rolls of LED strips, power supply, remote controller, Bluetooth controller, and connector line.

2. PACKAGE CONTENTS

Ensure all items listed below are present in your package:

- 2 x LED Strip Lights (5 meters each, 150 LEDs per strip)
- 1 x 12V Power Supply
- 1 x Remote Controller
- 1 x Bluetooth Controller
- 1 x Connector Line

3. SETUP AND INSTALLATION

Follow these steps to set up your ALED LIGHT LED Strip Lights:

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. For optimal adhesion, clean the area with isopropyl alcohol and allow it to dry completely.

2. **Unroll the Strip:** Carefully unroll the LED strip. *Precaution:* Do not power on the LED strip while it is still rolled up, as heat concentration can damage the strip. Spread out the strip in a line during operation.
3. **Peel and Stick:** Peel off the protective backing from the 3M adhesive tape on the back of the LED strip. Carefully press the strip onto the desired surface, ensuring firm contact along its entire length.
4. **Connect Components:** Connect the LED strip(s) to the Bluetooth controller, and then connect the Bluetooth controller to the 12V power supply. Ensure all connections are secure.
5. **Power On:** Plug the 12V power supply into a standard electrical outlet.

Controlled via 3 Control Ways



1 WIFI Control



2 Smart Phone APP



3 IR Remote Control



Multi Application



Light Dancing with Music



Bluetooth Control



Timing Function



Remote Controller



Adjustable Brightness & Speed



16 Million Colors



Image: A hand demonstrating the peeling of the adhesive backing from the LED strip for installation.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, installation process, and initial setup of the LED strip lights, including connecting components and applying the strip.

Important Installation Notes:

- The LED strip is waterproof, but the power supply is not. Ensure the power supply is protected from water exposure, especially in outdoor or bathroom installations.

- For long-term use, it is recommended to cool the strip after several hours of continuous operation. Avoid powering it for over 8 hours without a break.

4. OPERATING INSTRUCTIONS

Your ALED LIGHT LED Strip Lights can be controlled using the included IR remote or a smartphone application.

4.1. Smartphone App Control

1. **Download the App:** Scan the QR code provided in the instruction manual or on the Bluetooth controller to download the compatible smartphone application (e.g., HappyLighting-Life). You can also search for it in your device's app store. [Download App Here](#)
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone.
3. **Connect to Lights:** Open the app. It should automatically detect and connect to the Bluetooth controller.
4. **Control Functions:** Use the app interface to:
 - Select from millions of colors using a color disc.
 - Adjust brightness and speed of light effects.
 - Choose from various preset light modes (e.g., pulsating, strobe, jumping change).
 - Activate music rhythm synchronization, where lights respond to audio input from your phone's microphone or music library.
 - Set timers for automatic on/off functions.

Colorize Your Music

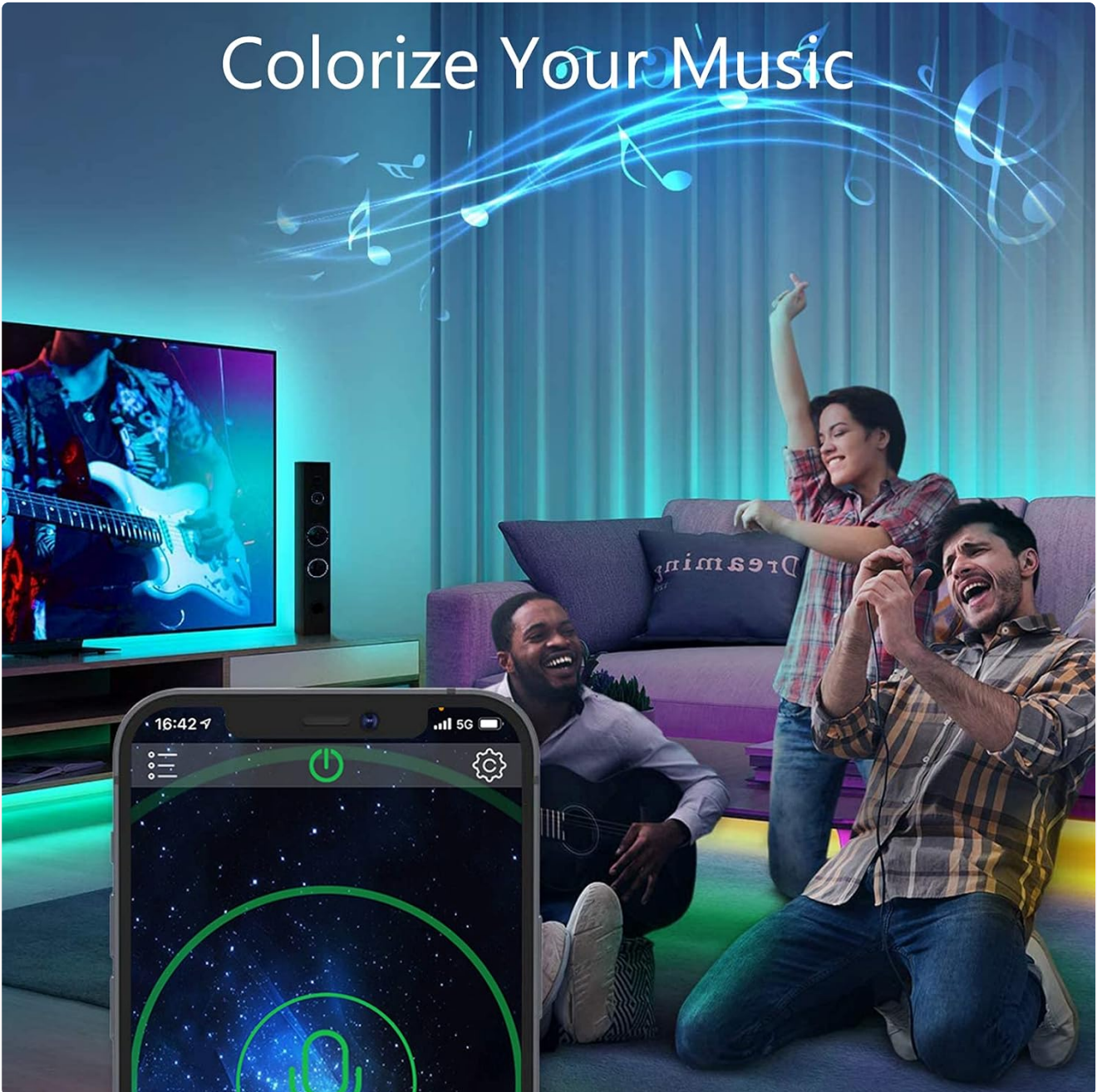


Image: A smartphone displaying the app interface for controlling the LED strip lights, with a focus on the music synchronization feature.

Your browser does not support the video tag.

Video: This video demonstrates the various control modes available through the smartphone app, including color selection, dynamic light effects, and music synchronization.

4.2. IR Remote Control

The included IR remote provides quick access to basic functions:

- Turn lights on/off.
- Select preset colors.
- Adjust brightness.
- Choose from various dynamic modes.

Controlled via 3 Control Ways



1 WiFi Control



2 Smart Phone APP



3 IR Remote Control



Multi Application



Light Dancing with Music



Bluetooth Control



Timing Function



Remote Controller



Adjustable Brightness & Speed



16 Million Colors

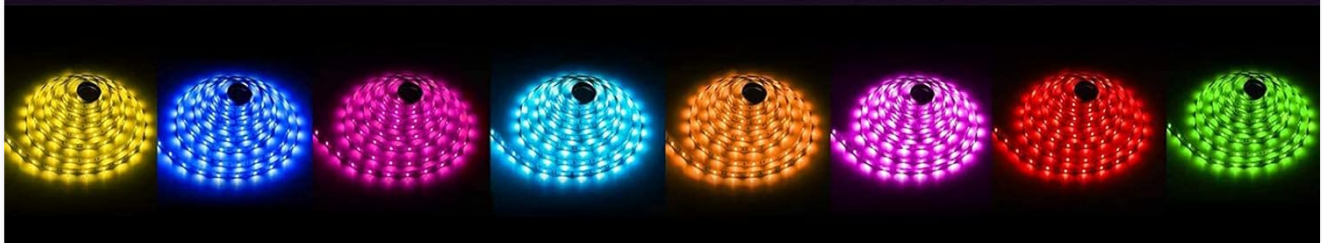


Image: Illustration showing the three ways to control the LED strip lights: via WiFi (controller), smartphone app, and the included IR remote control.

5. MAINTENANCE

To ensure the longevity and optimal performance of your LED strip lights, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the LED strips with a soft, dry cloth to remove dust. For stubborn dirt, a slightly damp cloth can be used, but ensure the strip is completely dry before powering on.
- **Water Resistance:** While the LED strips are waterproof (IP65), they are not designed for submersion. The power supply and controller are not waterproof and must be protected from moisture.
- **Adhesive Longevity:** If the adhesive begins to lose its stickiness over time, especially in high-humidity or fluctuating temperature environments, consider using additional mounting clips or stronger adhesive tape for reinforcement.



***Water-Resistant
suitable for daily waterproof***

Image: A close-up view of water splashing onto the LED strip, highlighting its water-resistant feature suitable for daily use.

6. TROUBLESHOOTING

If you encounter issues with your LED strip lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty power supply.	Check power outlet. Ensure all connections (strip to controller, controller to power supply) are secure. Test power supply if possible.
App cannot connect to lights.	Bluetooth is off, app not installed correctly, controller issue.	Ensure Bluetooth is enabled on your phone. Restart the app and the lights (unplug/replug). Reinstall the app if necessary.
Remote control not working.	Battery depleted, remote not pointed at receiver, obstruction.	Replace remote battery. Ensure direct line of sight to the IR receiver on the controller.

Problem	Possible Cause	Solution
Lights are dim or inconsistent colors.	Insufficient power, damaged section of strip, incorrect app settings.	Check power supply. Ensure brightness is set to maximum in the app. Inspect the strip for physical damage.
Adhesive not sticking.	Surface not clean/dry, unsuitable surface material, environmental factors.	Re-clean and dry the surface thoroughly. Consider using additional mounting clips or stronger adhesive for reinforcement.

7. SPECIFICATIONS

Detailed technical specifications for the ALED LIGHT Bluetooth LED Strip Lights:

Attribute	Value
LED Type	5050 RGB LED
LED Quantity	2 x 150 LEDs (30 LEDs/meter)
Length	2 x 5 meters (10 meters total)
Voltage	12V
Wattage	72 watts
Brightness	2 x 1500 lumens
Illumination Angle	120°
Temperature Range	-20°C to 60°C
Water Resistance	IP65 (LED strip only)
Control Method	Smartphone App (Bluetooth), IR Remote Control
Connectivity	Bluetooth
Item Weight	1.01 pounds
Model Number	AL105002

The reason to choose ALED LIGHT LED Strip

RGB 5050 LED

3 Times brighter than 3528 LED
Natural light
Longer life
Several combination of colors

3528 LED:

Dark light
Shorter life
Solid color

INSULATED PU HULL

IP65 waterproof and dustproof
Moisture resistant
Heat resistant and rustproof
High light transmission

PURE COPPER LEADER

Strong conductivity,
Strong heat dissipation
Corrosion resistant,
Oxidation resistant



5050



3528



Image: Technical diagram illustrating the advantages of 5050 RGB LEDs over 3528 LEDs, and the construction of the ALED LIGHT strip with insulated PU hull and pure copper leader.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official ALED LIGHT website. Keep your purchase receipt for warranty claims.